



FIG. 1

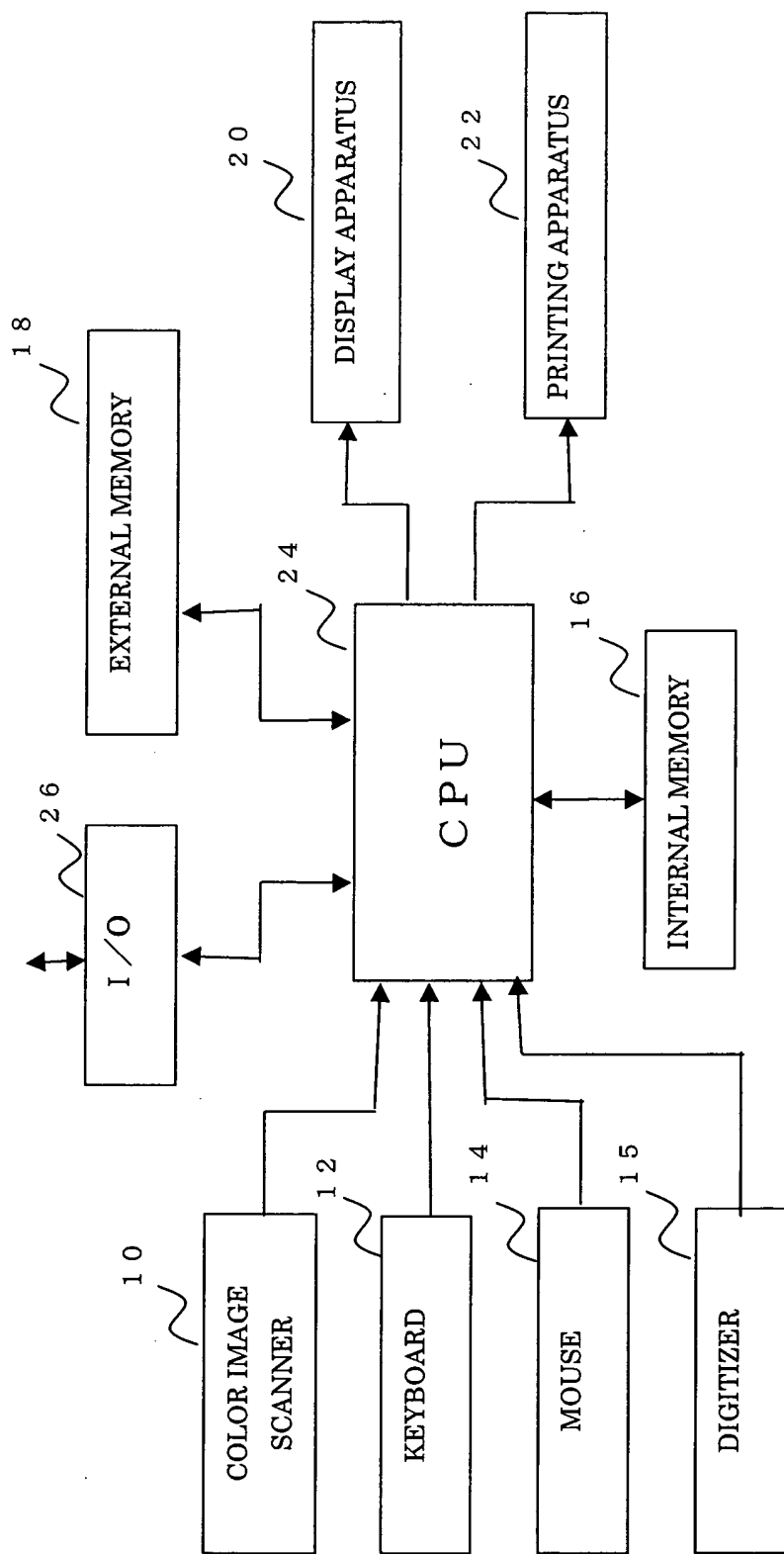


FIG. 2

[MODE LIST]

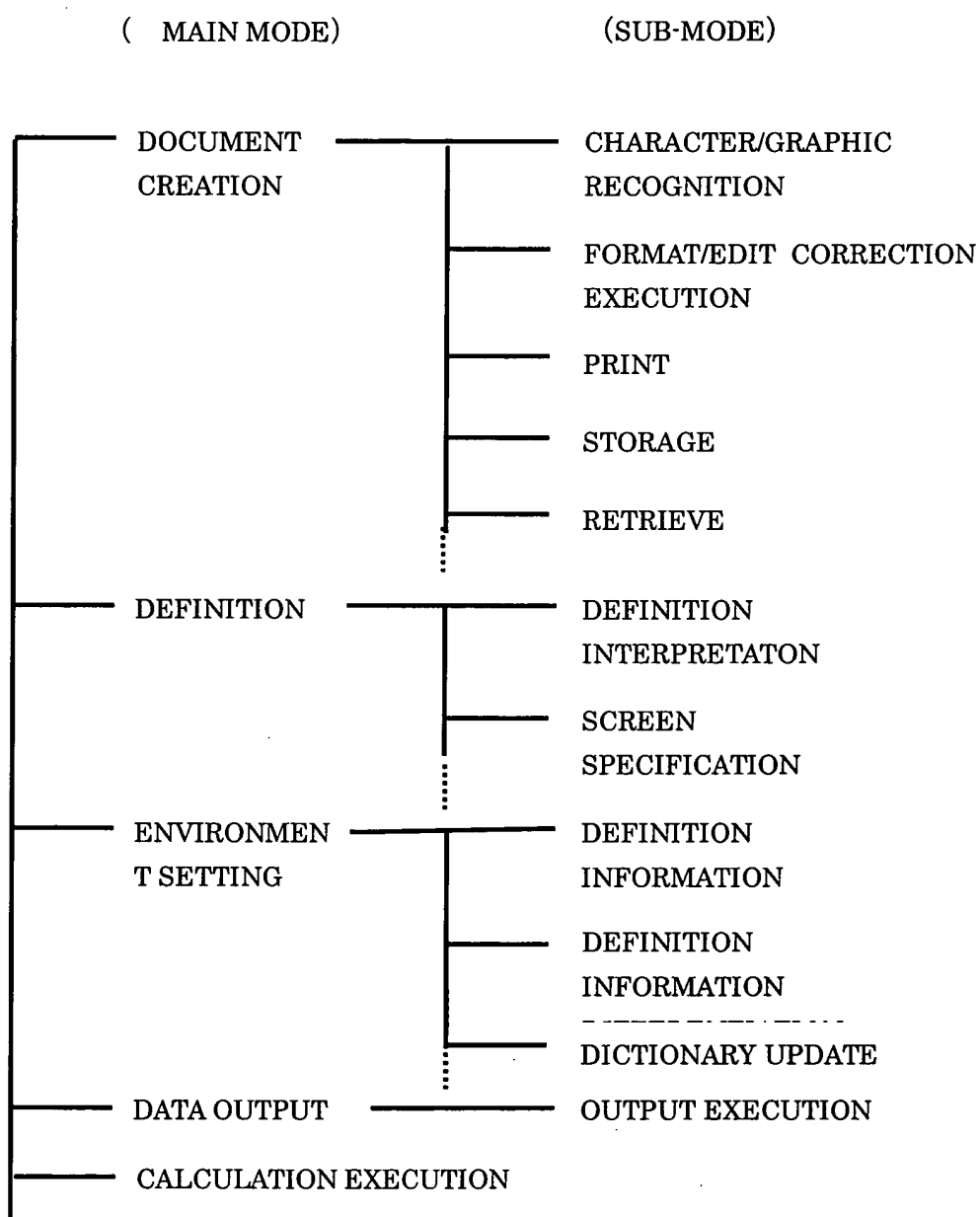
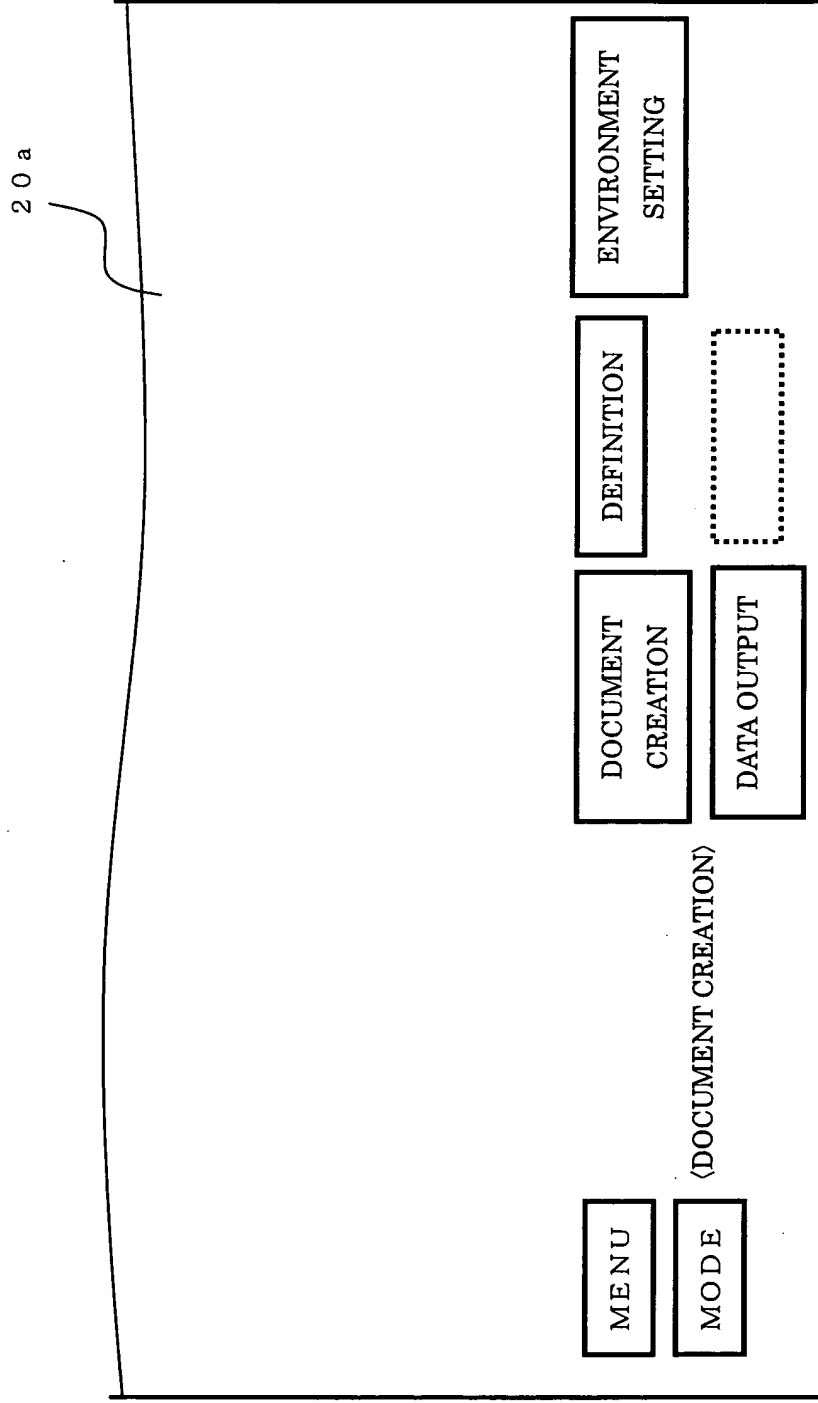


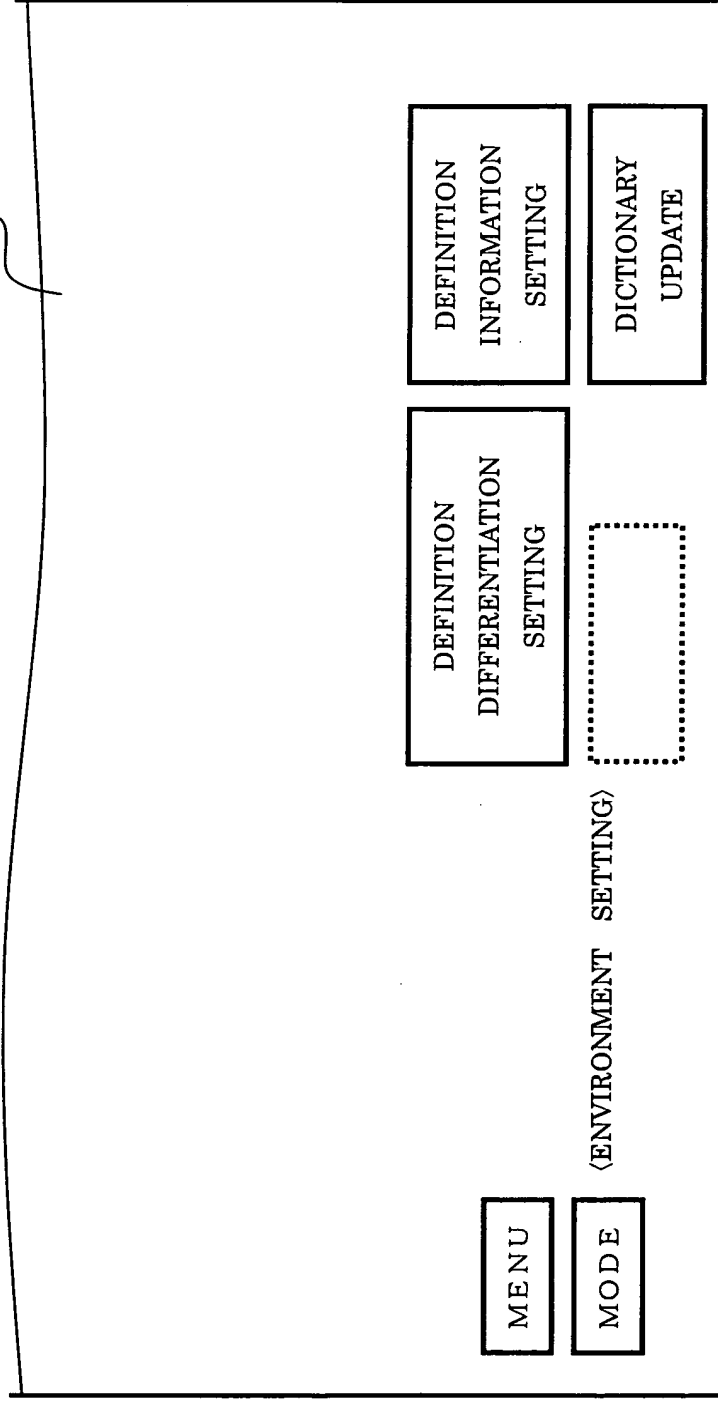
FIG. 3



[MAIN MODE LIST MENU SCREEN]

FIG. 4

20 a



[ENVIRONMENT SETTING MODE SCREEN]

FIG. 5

[DEFINITION ELEMENT/ENTRY INFORMATION REFERENCE TABLE]

DEFINITION SYSTEM	DEFINITION ELEMENT	CORRESPONDING DOCUMENT ELEMENT
COMMON <		

FIG. 6

DEFINITION INFORMATION IDENTIFICATION DATA

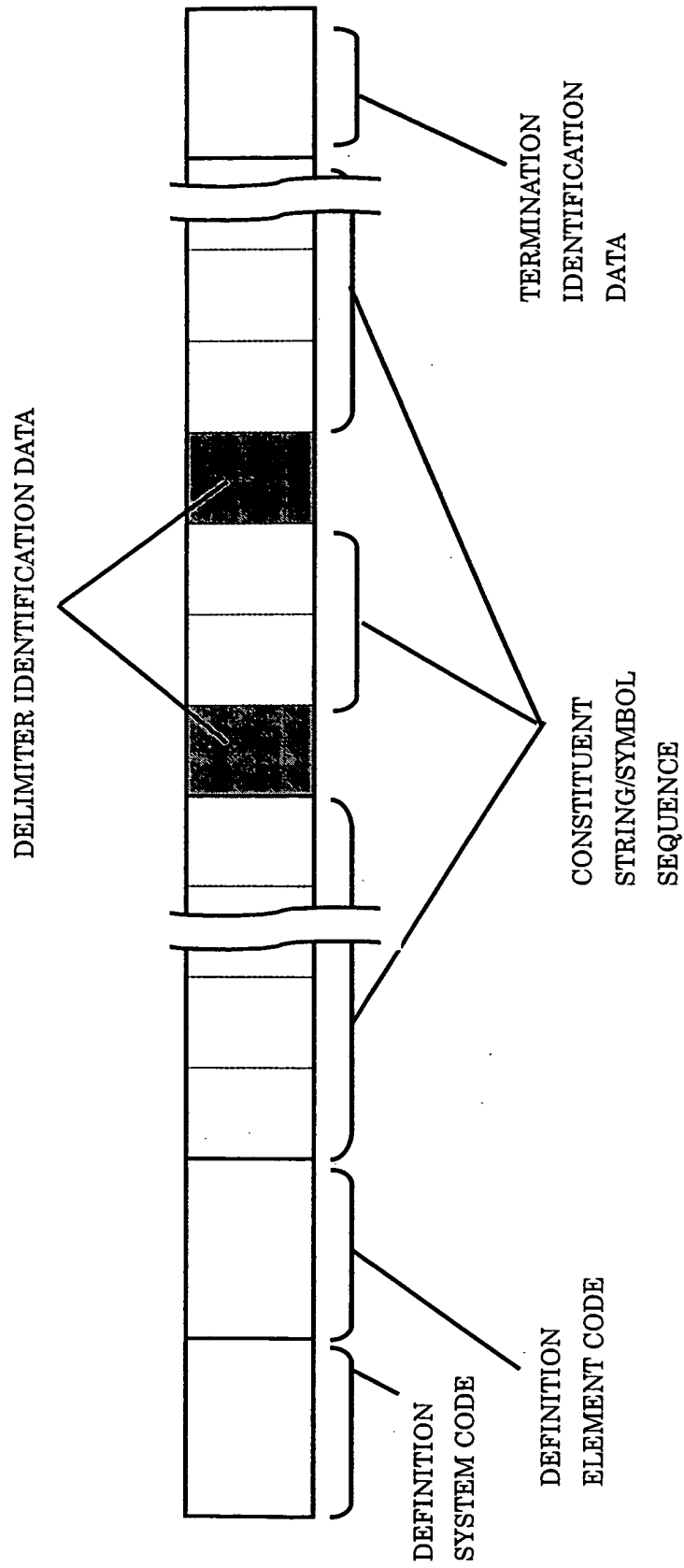


FIG. 7

20 a

[DEFINITION SYSTEM]	[COLOR]	[LINE MODIFICATION]	[LINE THICKNESS]	[HANDWRITING/ PRINT]
FORM DEFINITION	BLUE			
FORMAT DEFINITION	RED			
COMMON				
FILE DEFINITION	BLUE			
<div>MENU</div> <div>MODE</div> <div> <ENVIRONMENT SETTING> <DEFINITION DIFFERENTIATION SETTING> </div> <div>END</div>				

[DEFINITION INFORMATION DIFFERENTIATION INSTRUCTING SCREEN]

FIG. 8

DEFINITION INFORMATION DIFFERENTIATION DATA

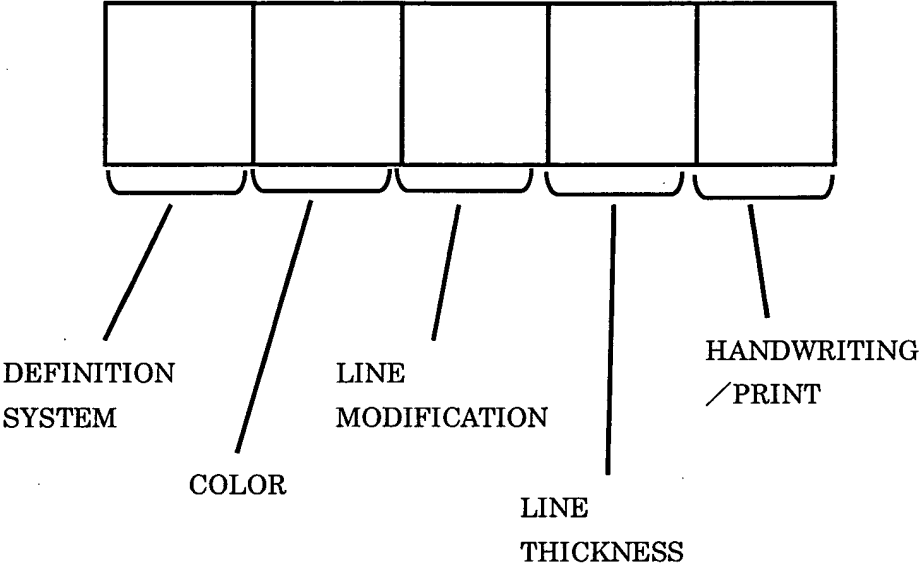


FIG. 9

SALES SUMMARY TABLE
YEAR 2001

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION				
RADIO				
CAR NAVIGATION SYSTEM				
TOTAL				

FIG. 10

SALES SUMMARY TABLE

YEAR 2001

([] INDICATES SALES OF YEAR 2000)

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 [19,380]	15,780 [13,250]	13,260 [11,320]	. . . [. . .]
RADIO	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]
CAR NAVIGATION SYSTEM	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]
TOTAL	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]

FIG. 1 1

(BLUE) <PRODUCT> (BLUE) <BRANCH> (BLUE) <YEAR> (BLUE) [2001] (BLUE) [2000] (BLUE) ([] INDICATES SALES OF YEAR 2000) (BLUE)

SALES SUMMARY TABLE

<PRODUCT>	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	(BLUE)	(BLUE)	(BLUE)	(BLUE)
RADIO	(BLUE)			
CAR NAVIGATION SYSTEM				(BLUE)
TOTAL	(BLUE)			(BLUE)

(BLUE) SALES (BLUE)

FIG. 12

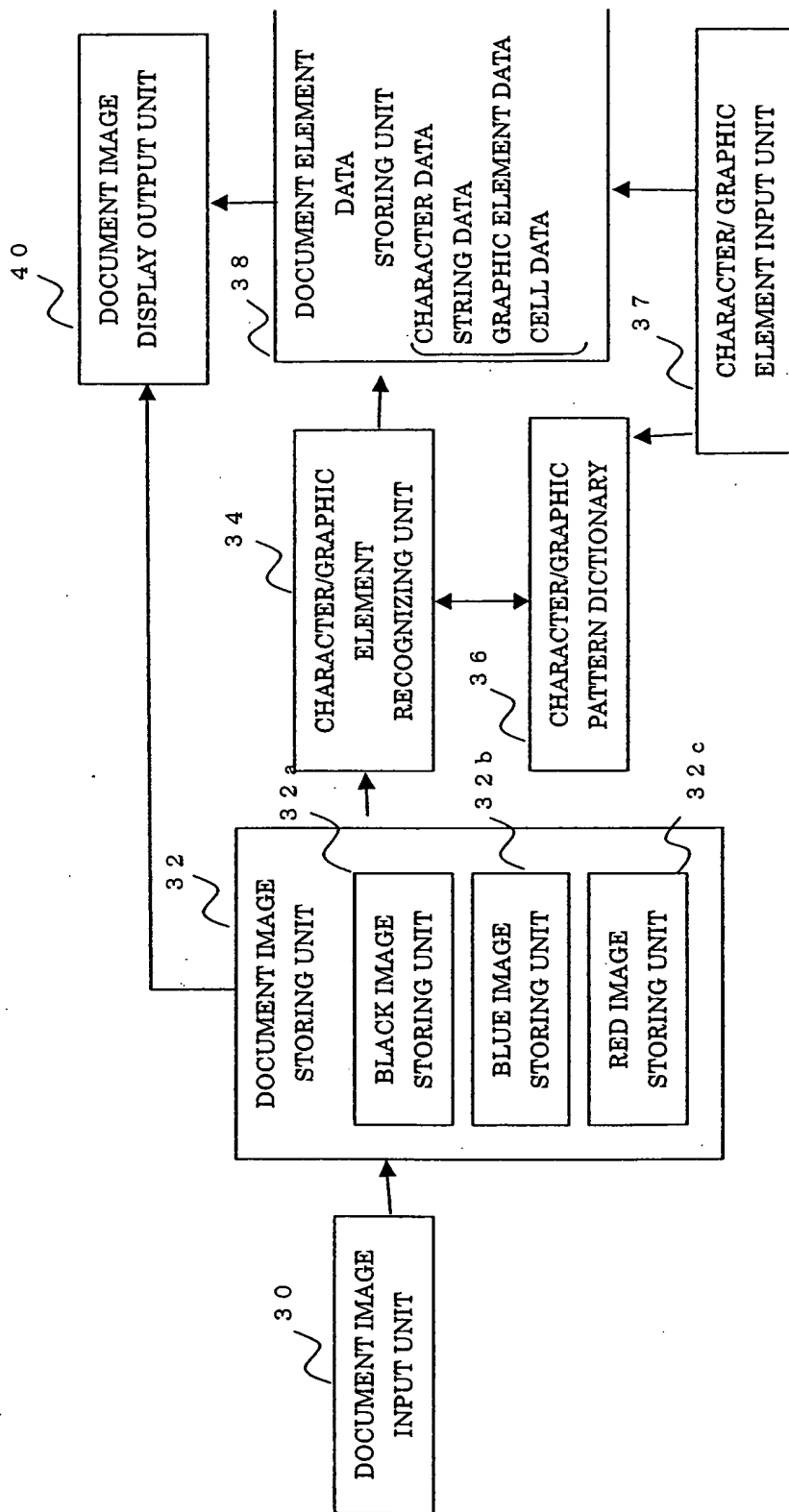


FIG. 13

IMAGE MANAGEMENT DATA

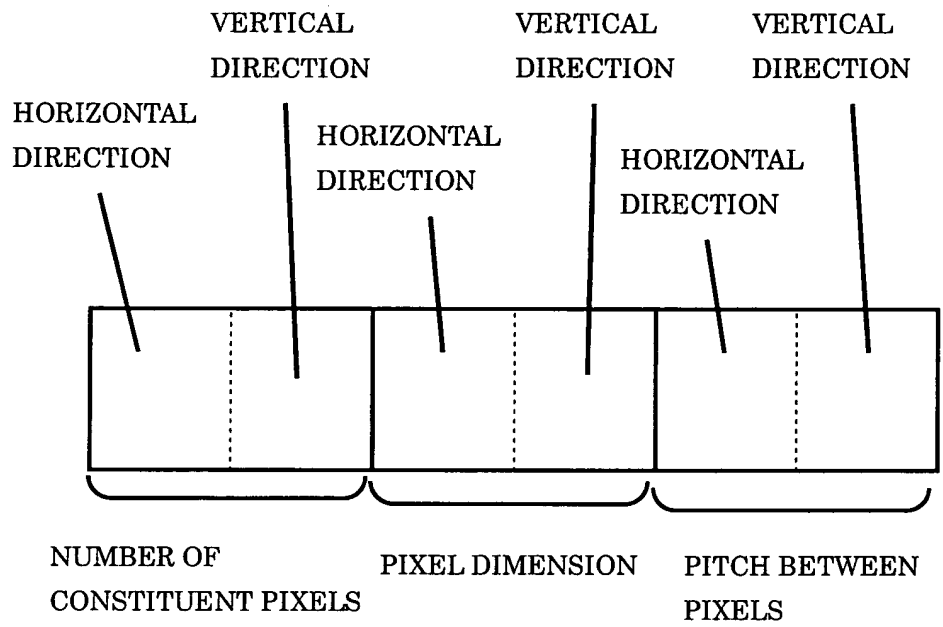


FIG. 14

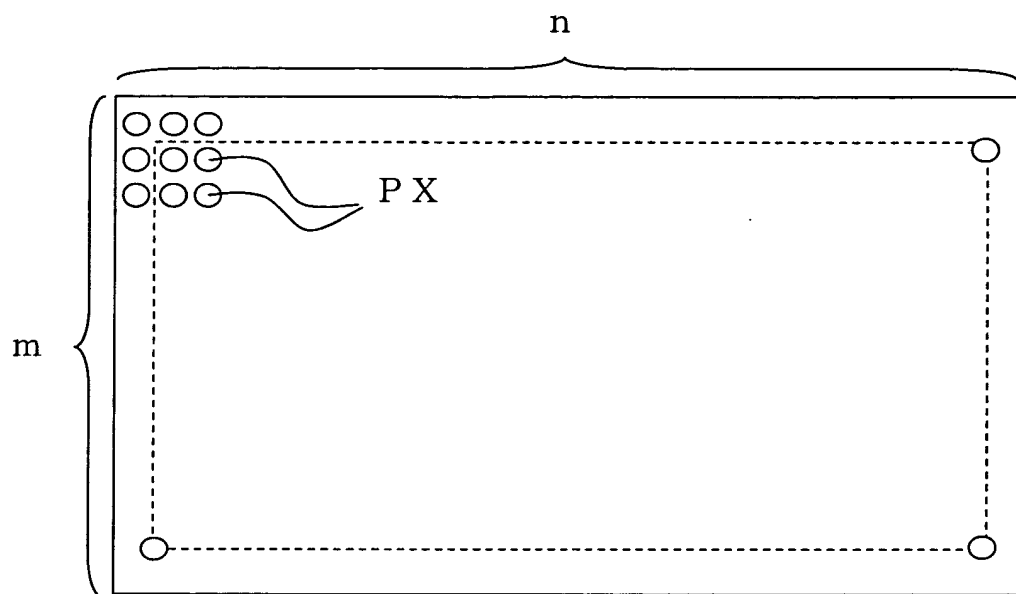


FIG. 1 5
CHARACTER DATA

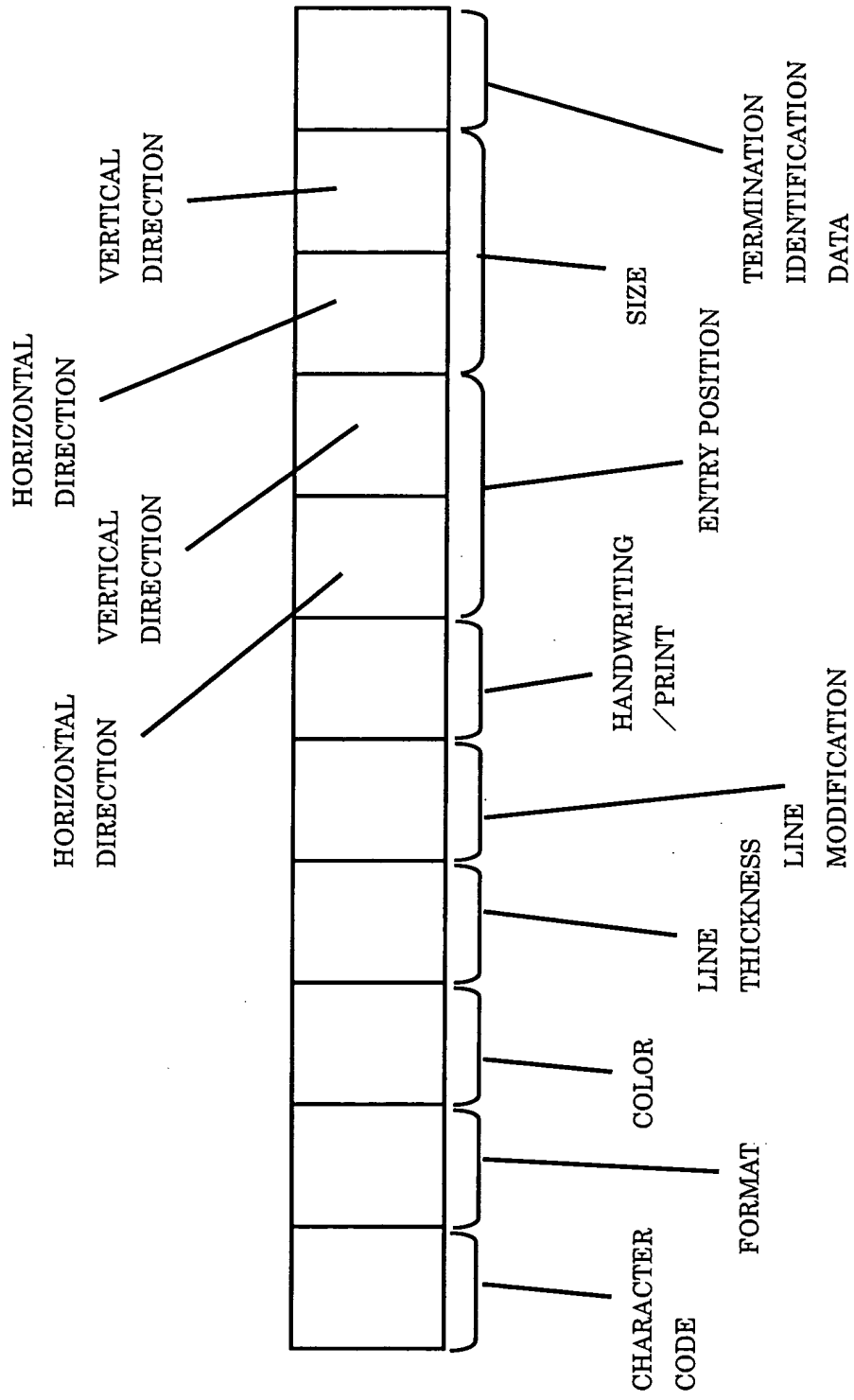


FIG. 1 6

CHARACTER STRING DATA

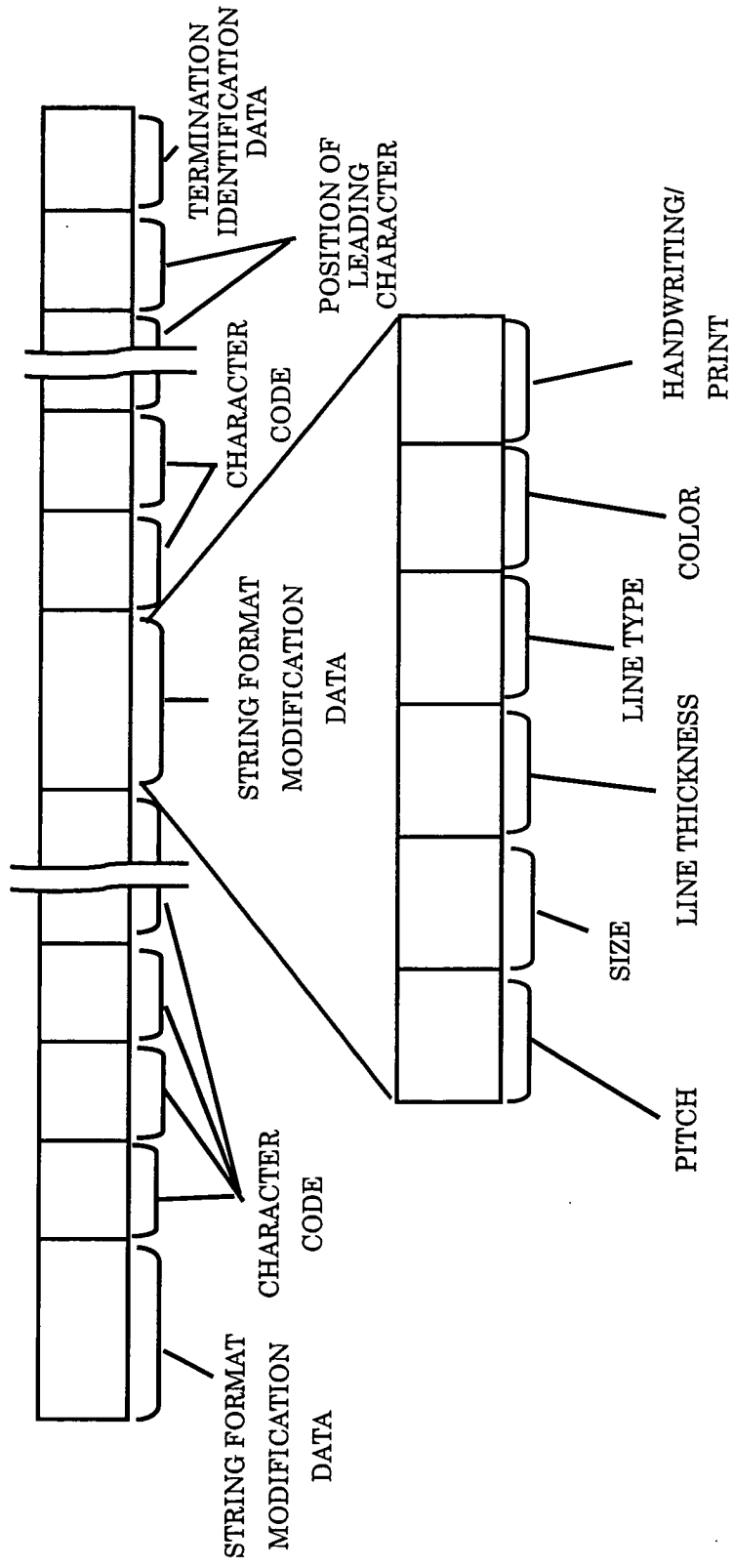


FIG. 1 7

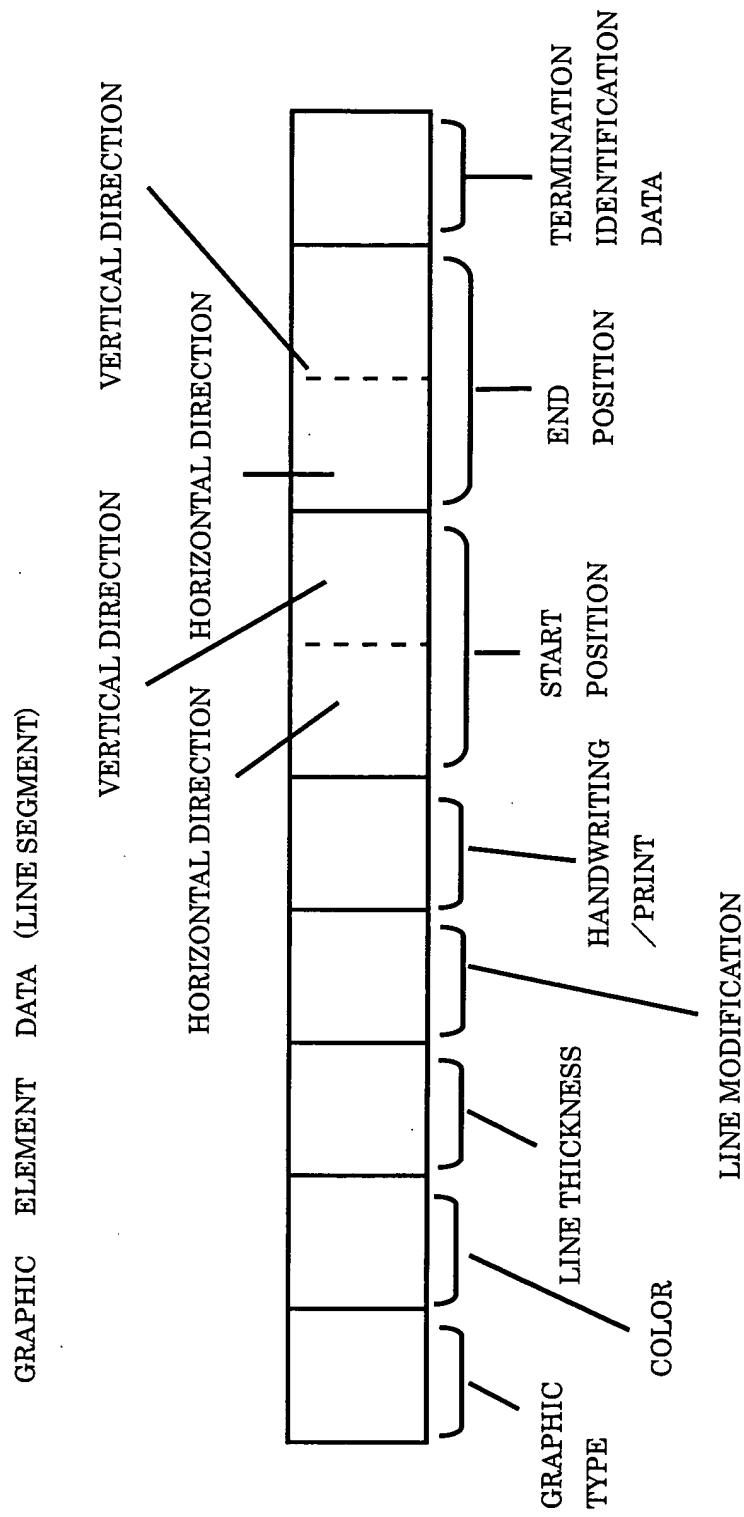


FIG. 1 8

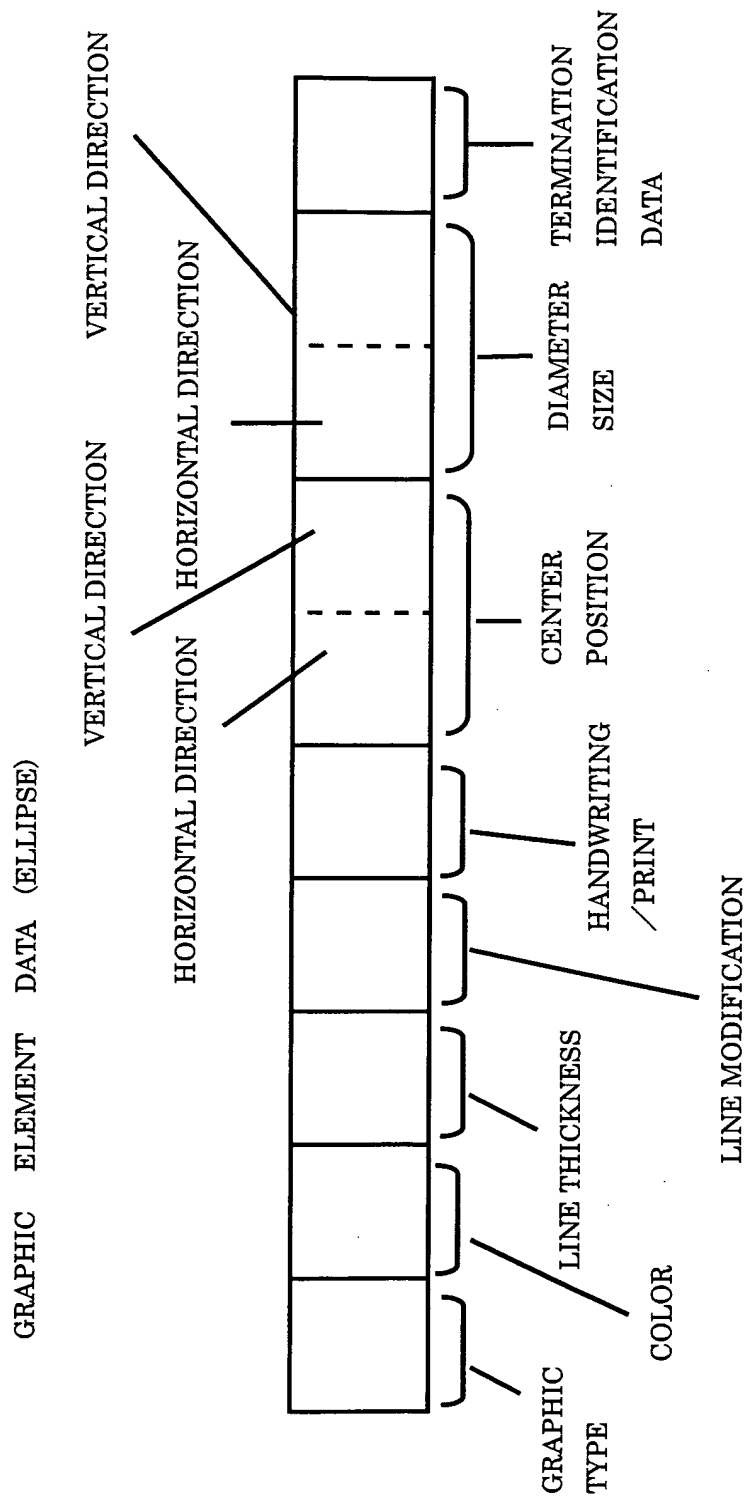


FIG. 1 9

GRAPHIC ELEMENT DATA (RECTANGLE, <, ETC.)

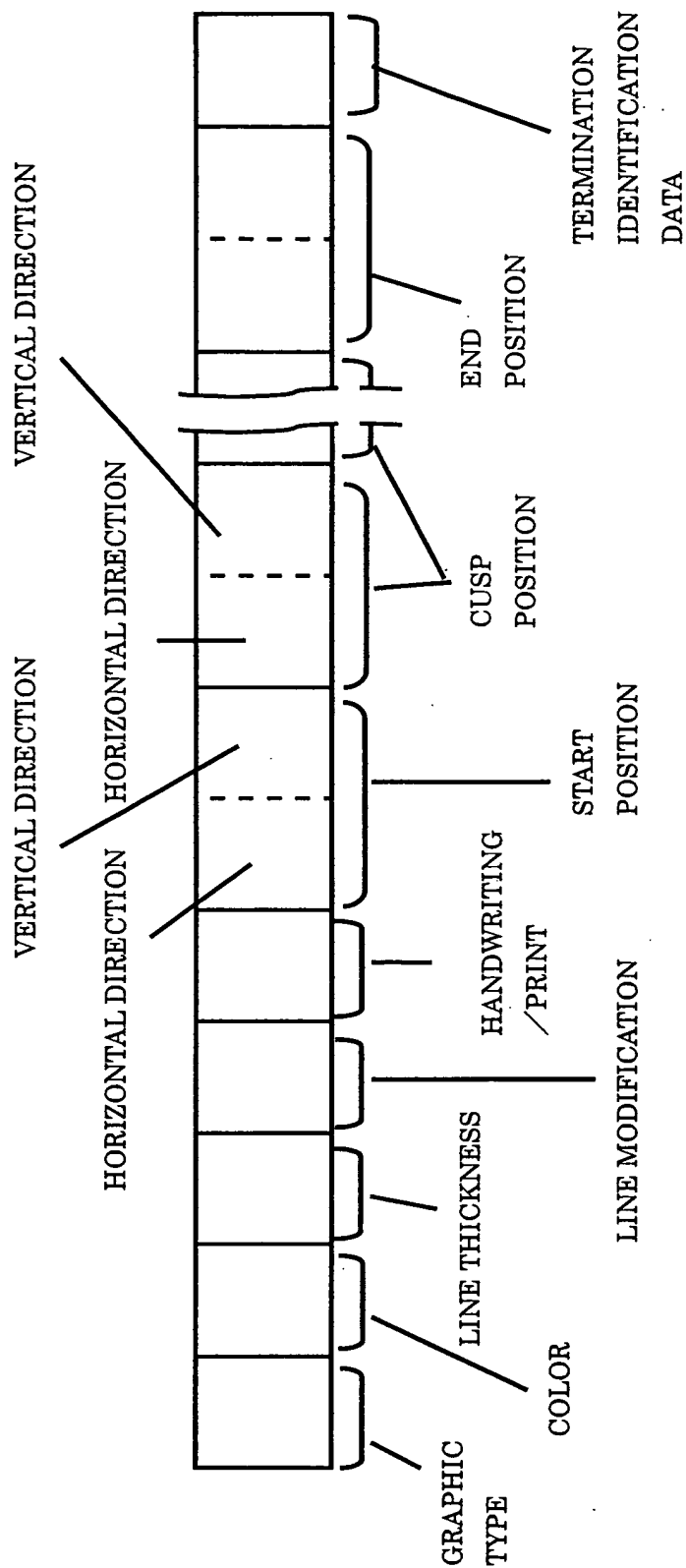


FIG. 20

CELL DATA (NORMAL CELL)

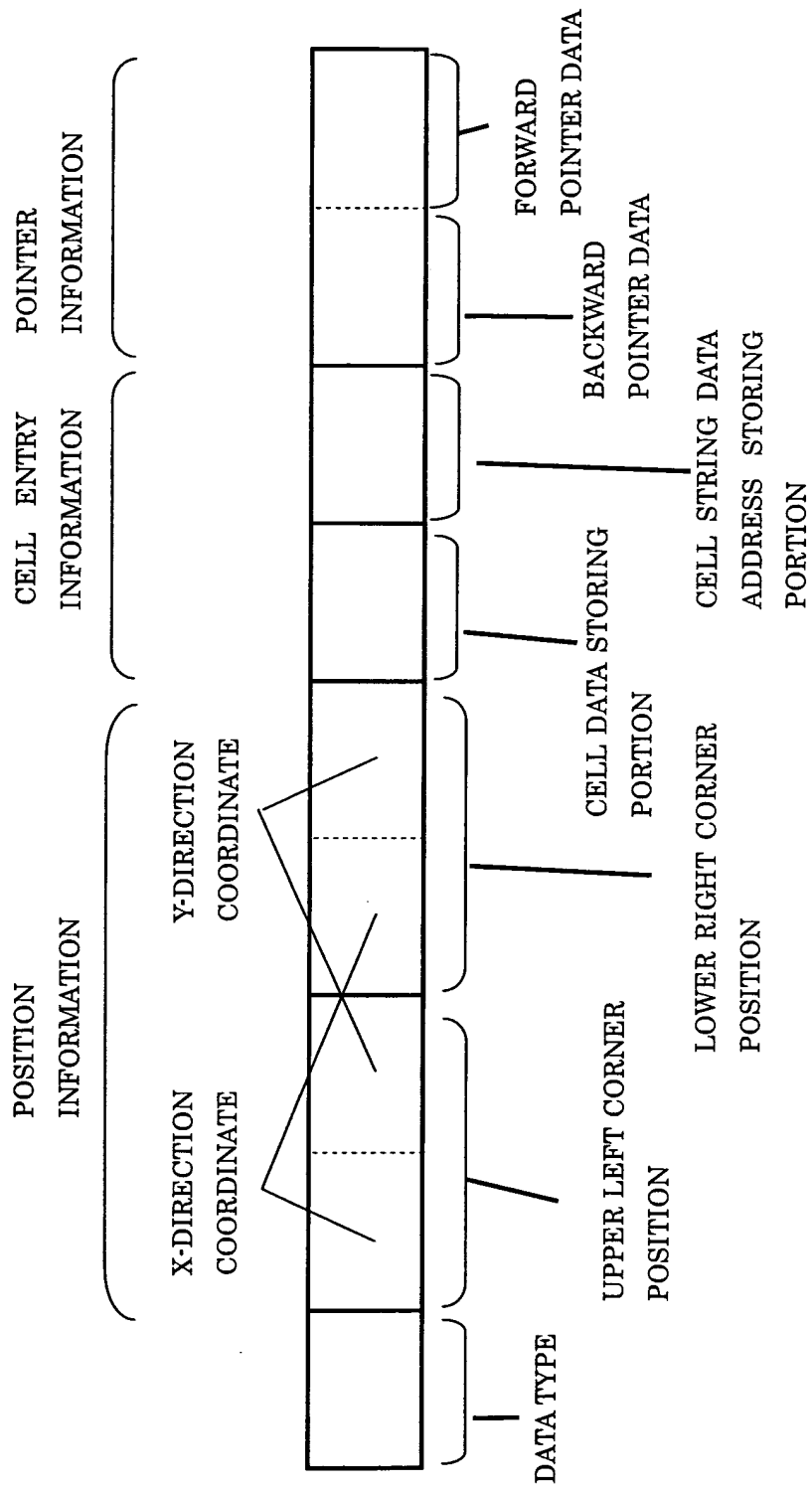


FIG. 2 1

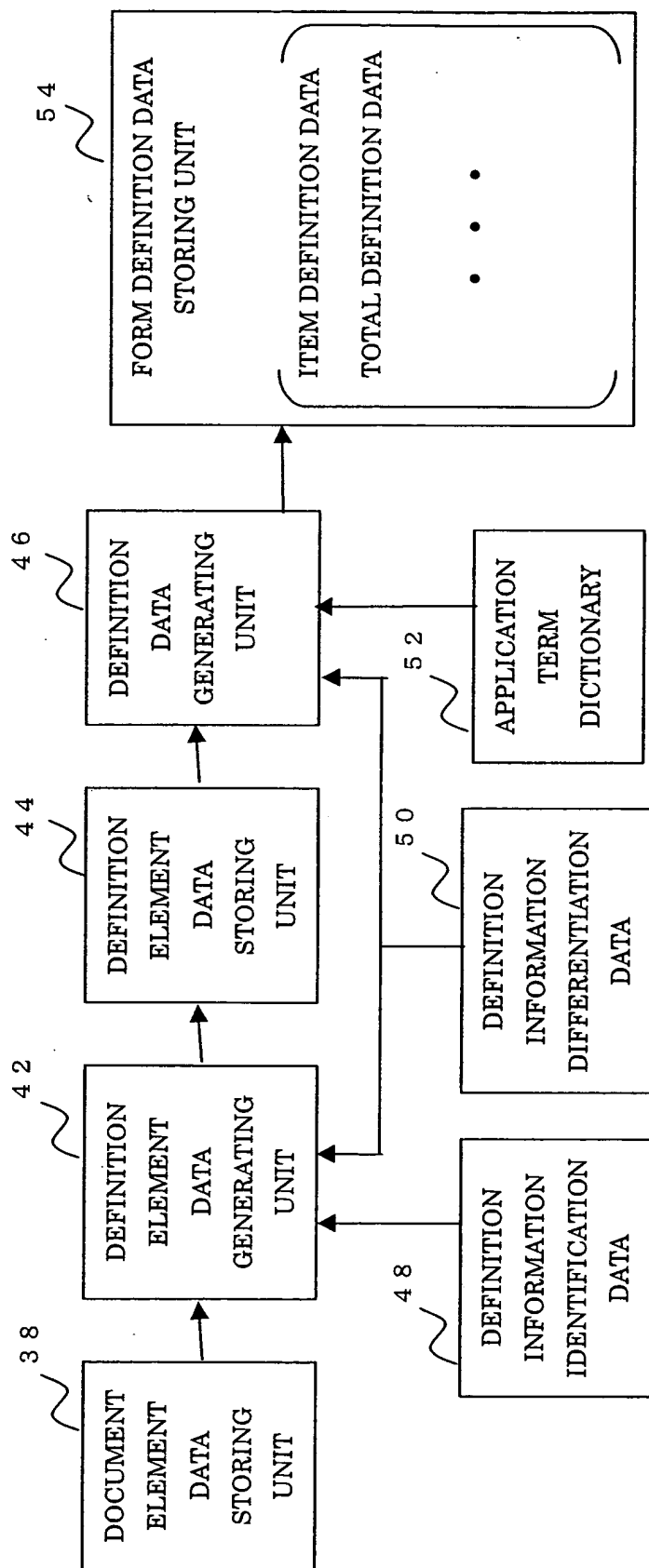


FIG. 2 2

DEFINITION ELEMENT DATA

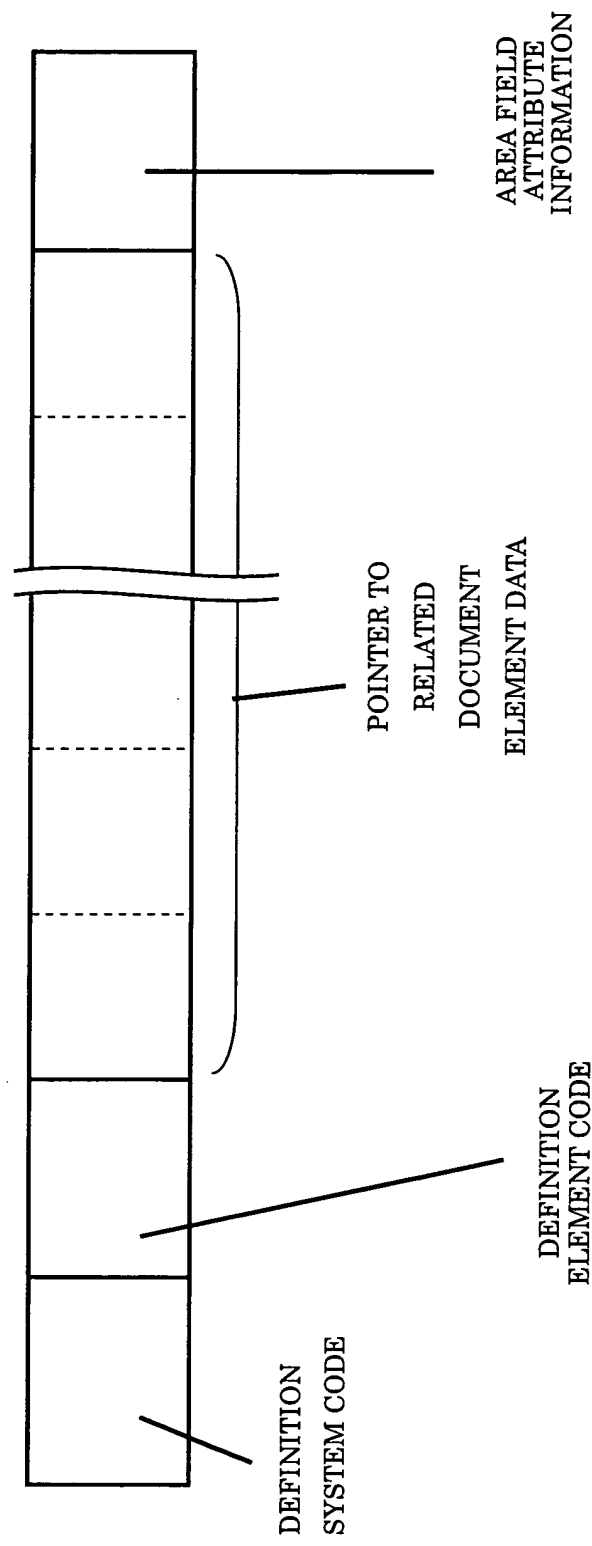


FIG. 2 3

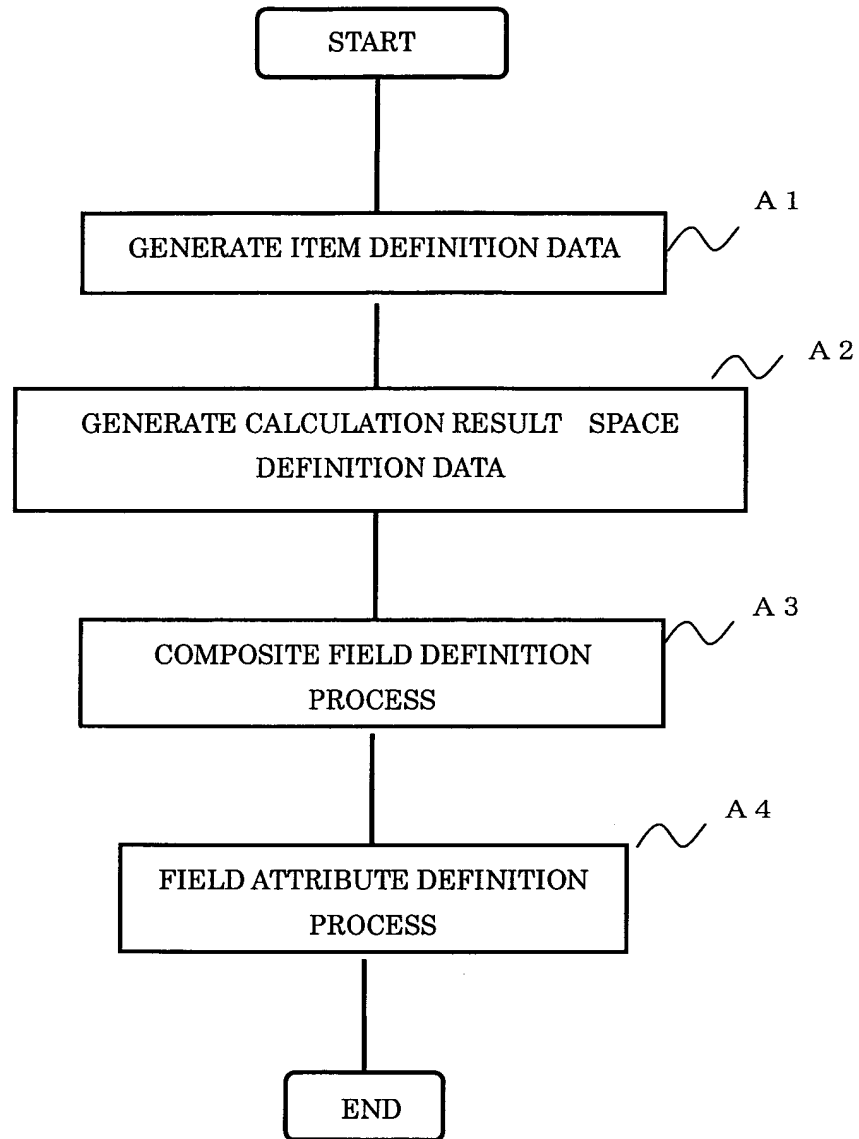


FIG. 2 4

ITEM DEFINITION DATA

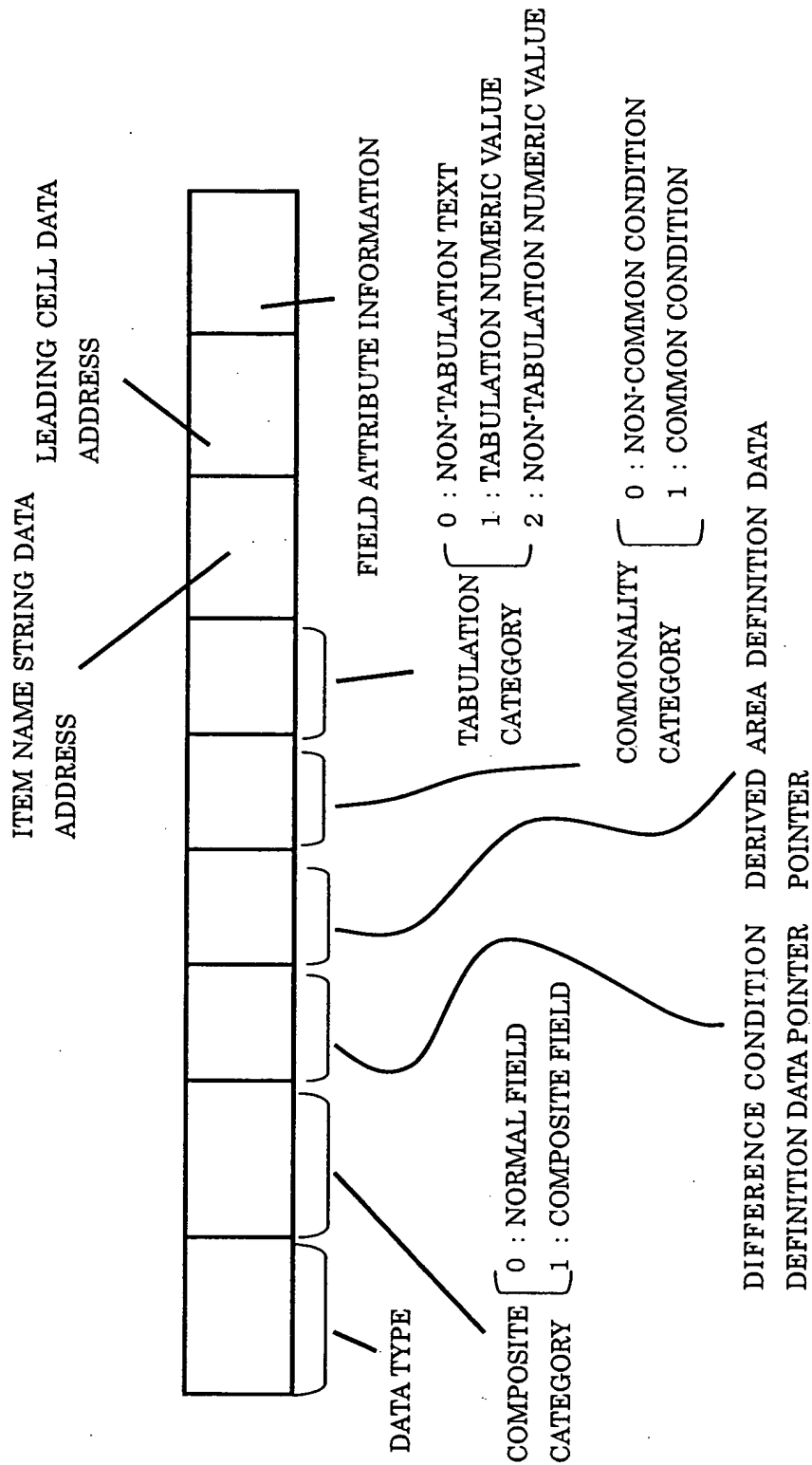


FIG. 2 5

TOTAL FIELD DEFINITION DATA

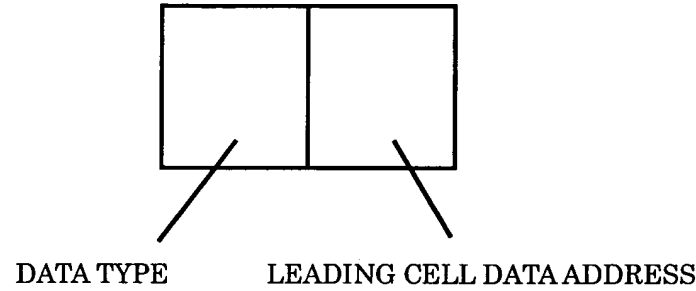


FIG. 26

SUB-DEFINITION SYSTEM	CHARACTER, STRING, AND SYMBOL USED
UNIT SPECIFICATION	k m, m, c m, mm M PIECES, K PIECES M YEN, M¥, K YEN, K¥, YEN, ¥ ... M DOLLARS, M\$, K DOLLARS, K\$, DOLLAR, \$...
EQUATION OPERATOR	=, +, ×, ÷ ...
CALCULATION RESULT SPECIFICATION	TOTAL, INTERMEDIATE TOTAL, MINOR TOTAL, GRAND TOTAL, ... AVERAGE, VARIANCE, ...

FIG. 27

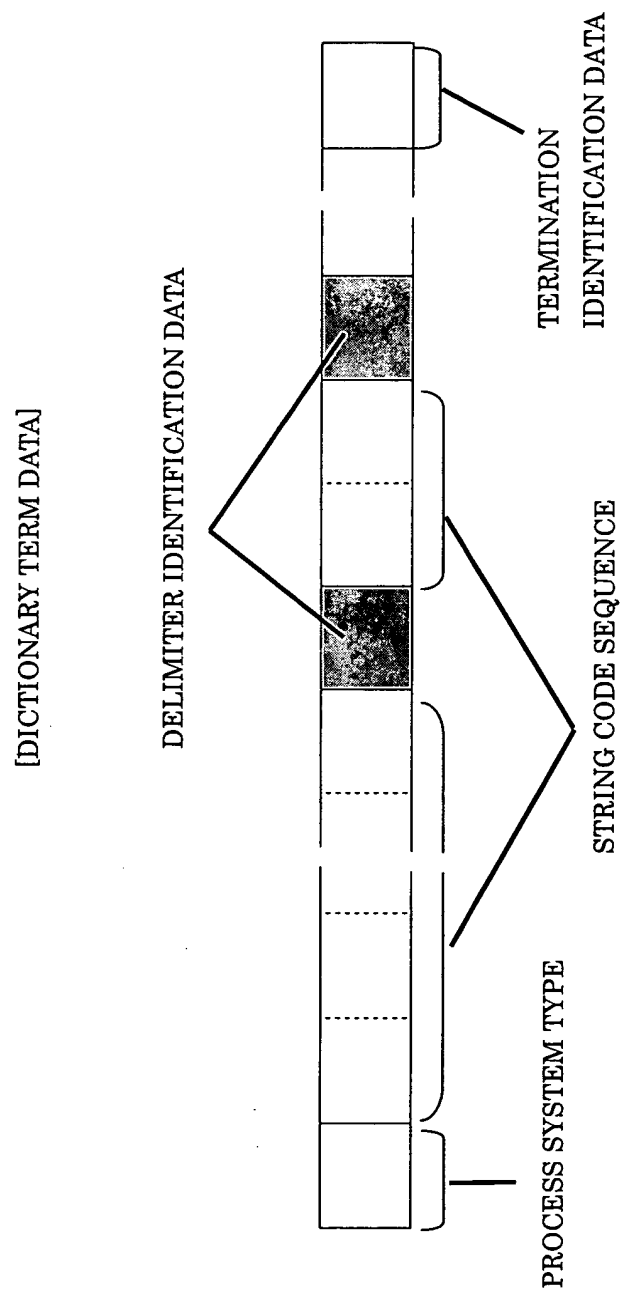


FIG. 2 8

CALCULATION TARGET FIELD OF TOTAL SPACE CELL A

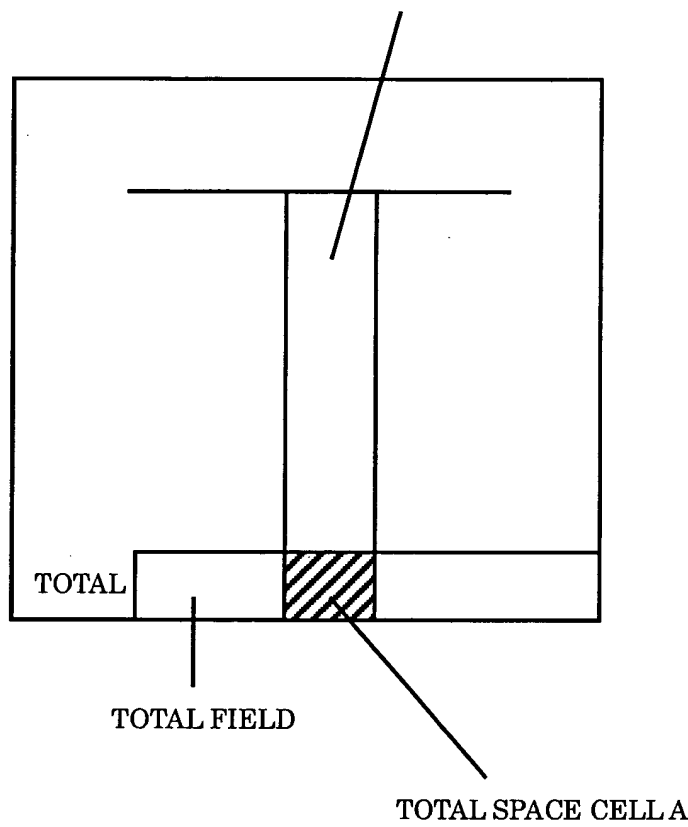


FIG. 29

PROCEDURE OF COMPOSITE FIELD DEFINITION PROCESS

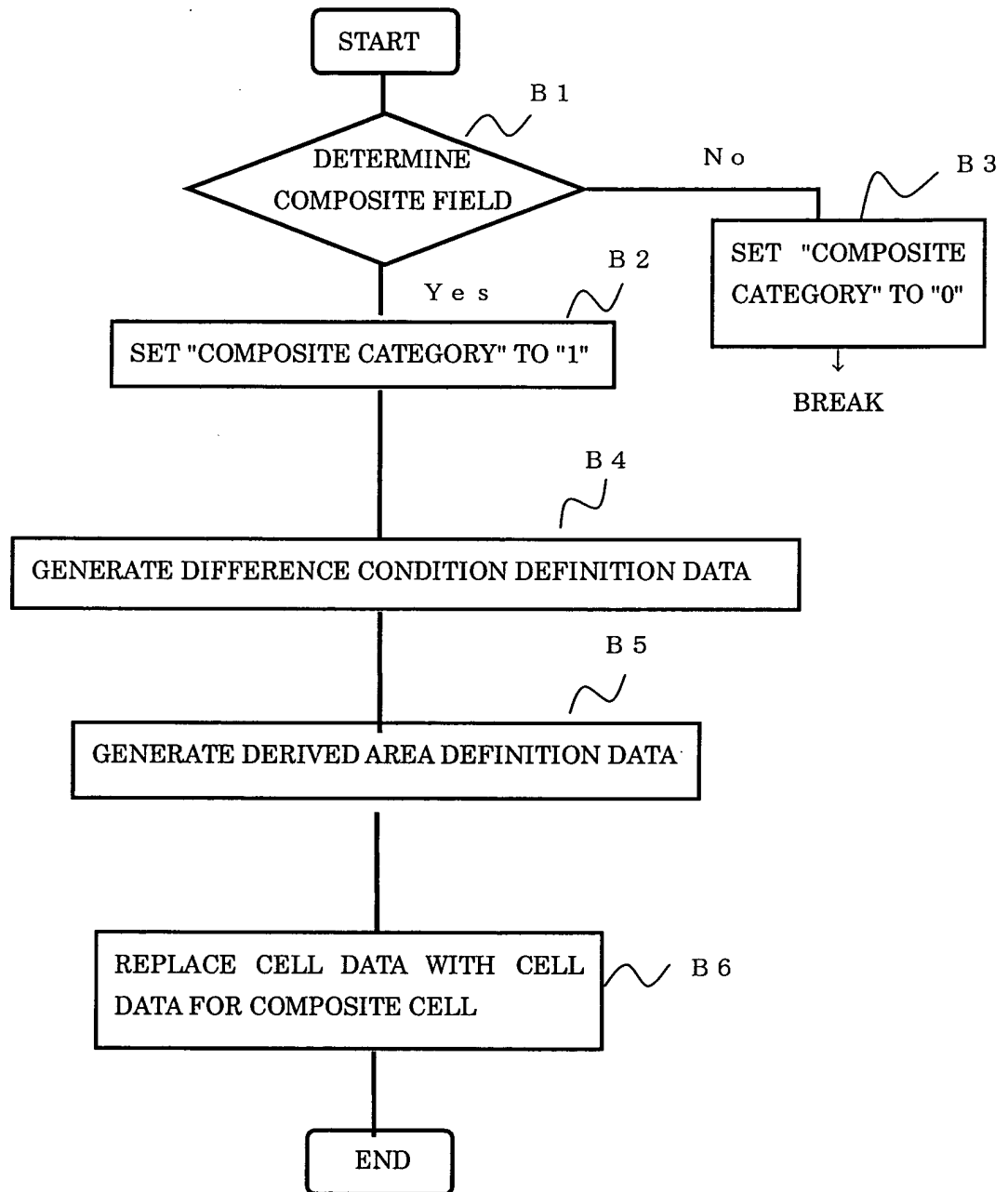


FIG. 30

DIFFERENCE CONDITION DEFINITION DATA

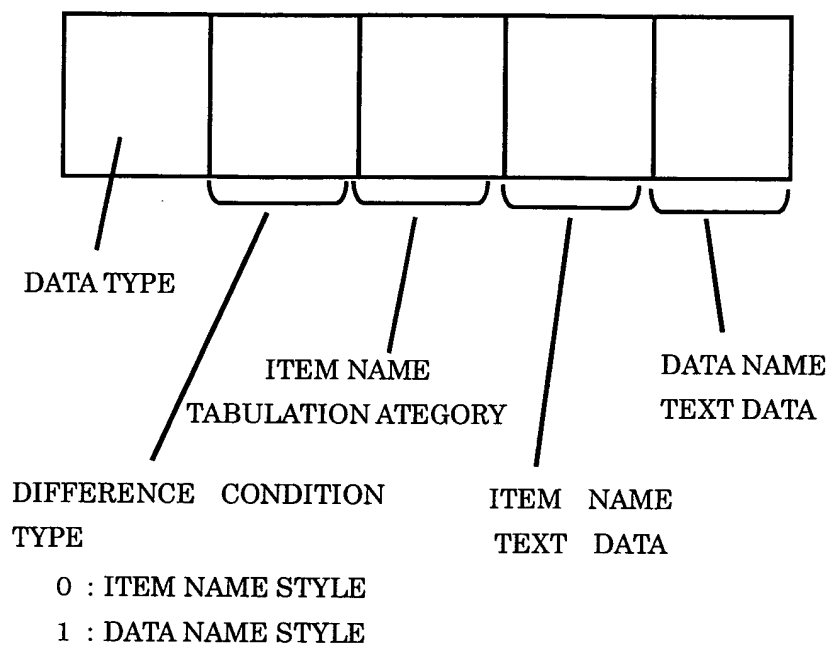
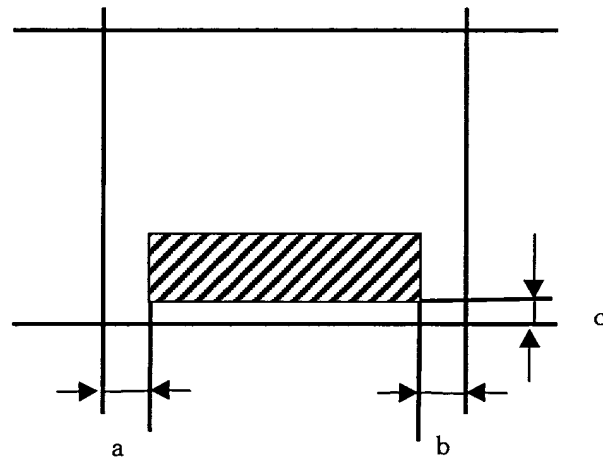


FIG. 3 1

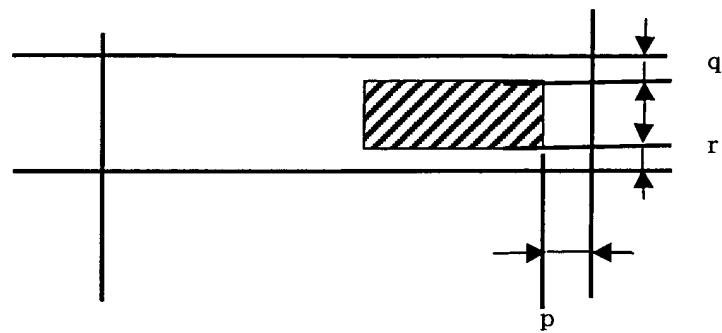
DERIVED AREA ALLOCATION DIRECTION IN CELL

(a) ALLOCATE IN DOWNWARD DIRECTION IN CELL



a, b, AND c ARE WITHIN REFERENCE VALUE

(b) ALLOCATE IN RIGHTWARD DIRECTION IN CELL

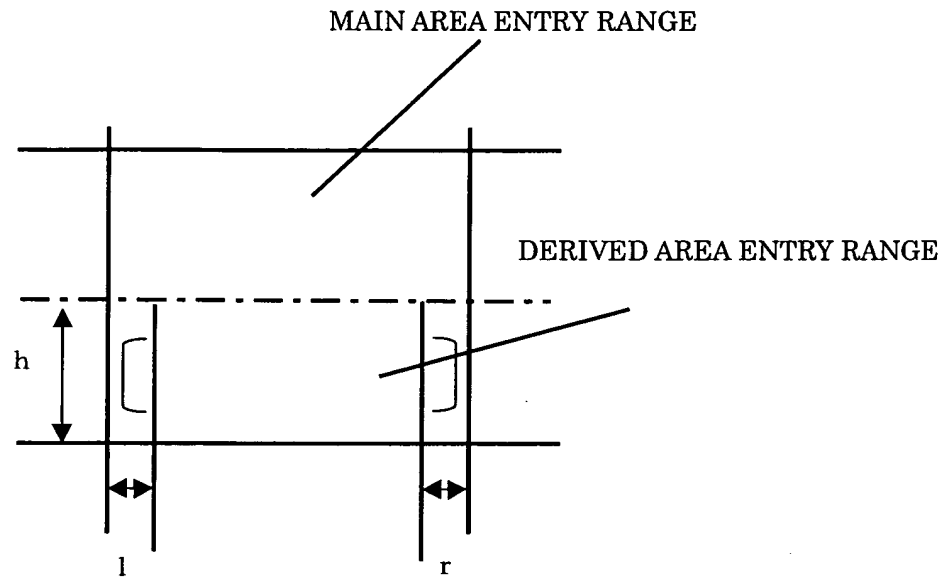


p, q, AND r ARE WITHIN REFERENCE VALUE

SHADED AREA IS EXTERIOR FRAME RECTANGLE OF
DERIVED AREA GENERATING ELEMENT

FIG. 3 2

ENTRY RANGE OF DERIVED AREA



h : DERIVED AREA DIVIDING POSITION

l, r : BOTH-SIDE MARGIN OF DERIVED AREA

FIG. 3 3

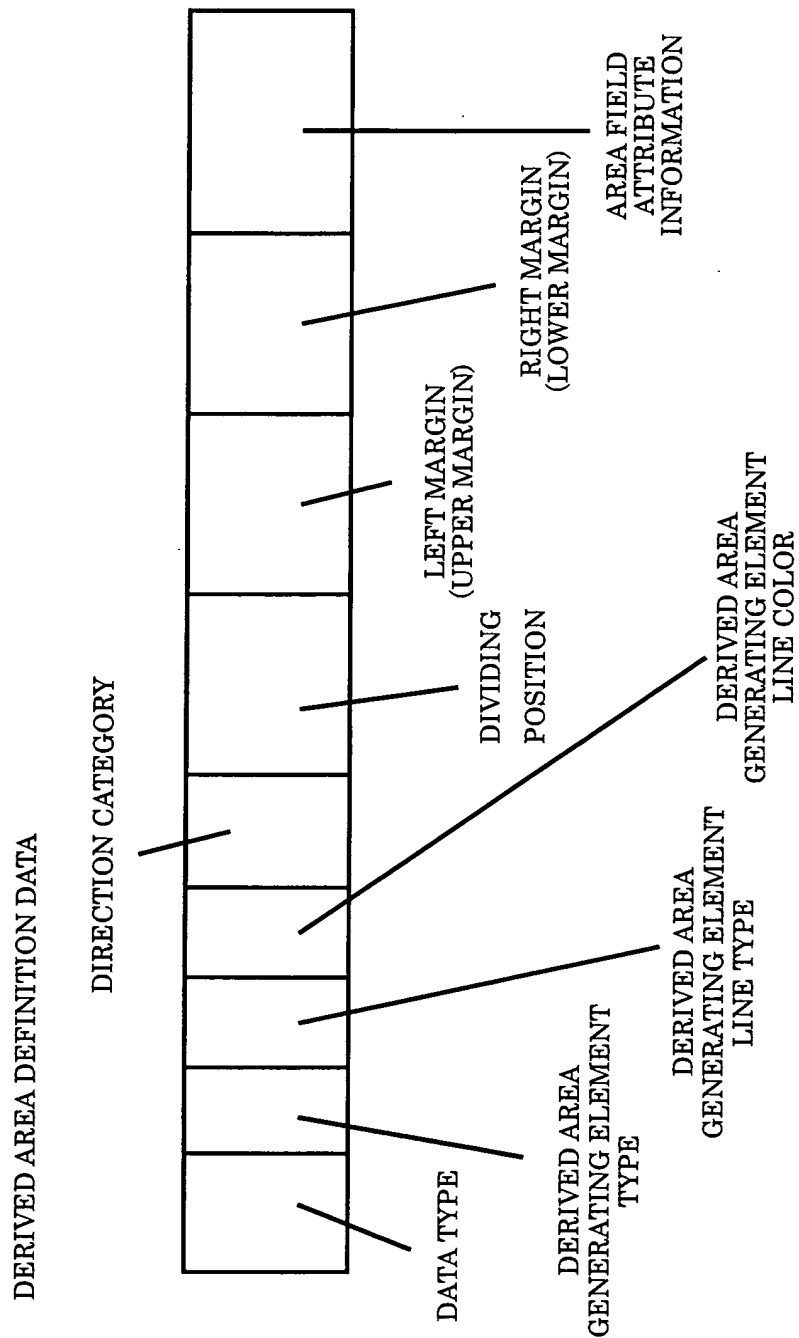


FIG. 3 4

CELL DATA FOR COMPOSITE CELL

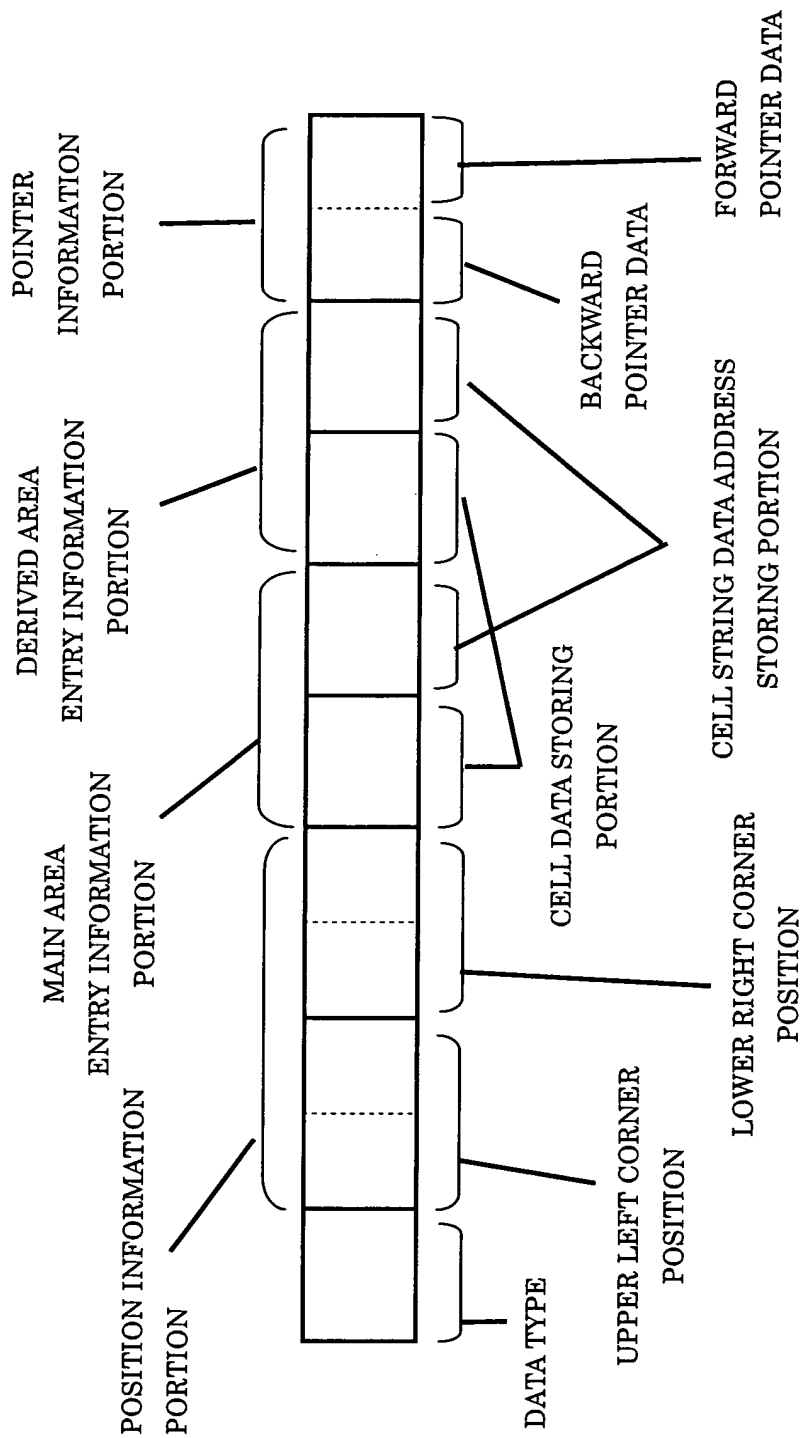



FIG. 3 5

9 0
2 0 a

SALE BOOK

YEAR 2000

KANDA BRANCH

PRODUCT NAME		UNIT PRICE (¥)	SALES AMOUNT (K ¥)
		TOTAL	

MENU

MODE

0. LINKING LINE 1. FIELD 2. DATA ITEM
 3. DATA NAME 4. TOTAL INSTRUCTION NAME 5. CALCULATING FORMULA

<DEFINITION> <SCREEN SETTING>

DEFINITION INTERPRETATION

9 2
9 4
9 5

FIG. 36

ITEM NAME SPECIFICATION MENU

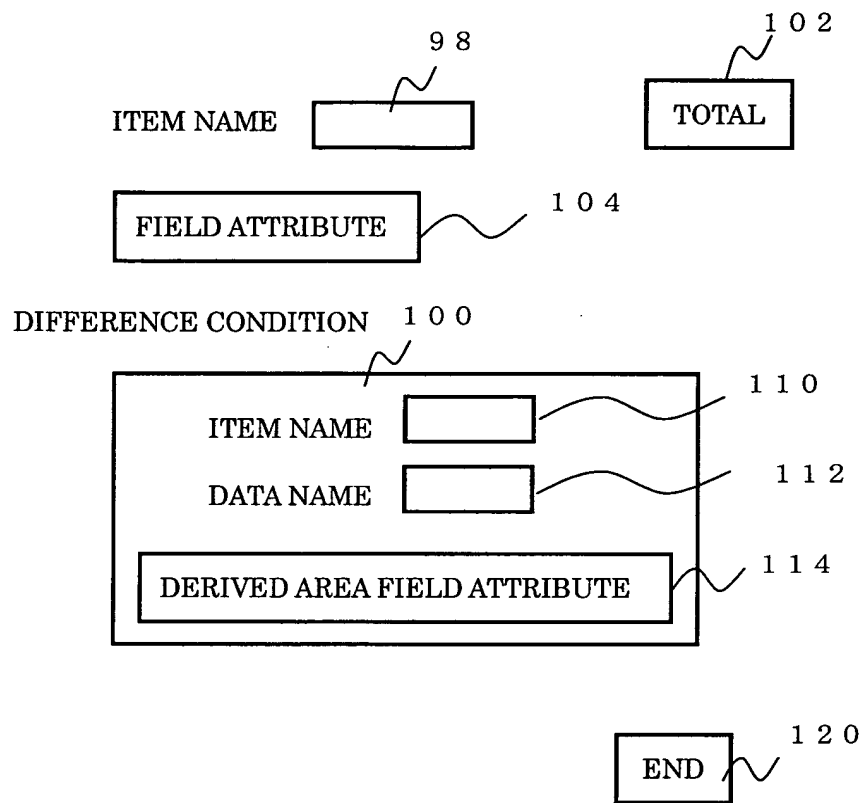


FIG. 3 7

OUTPUT SOURCE DATA FIELD

FIELD NAME	BRANCH	PRODUCT	YEAR	CODE	SALES VOLUME	SALES AMOUNT	PROFIT
FIELD LENGTH	2 0	2 0	2 0	5	5	5	5
NUMERIC VALUE/ TEXT CATEGORY	0	0	0	2	1	1	1

- 0: TEXT
- 1: TABULATION NUMERIC VALUE
- 2: NON-TABULATION NUMERIC VALUE

FIG. 38

20 a

OUTPUT SOURCE FILE LIST

1. SALES FILE
2. PRODUCT FILE
3. CUSTOMER FILE

MENU

MODE

DATA OUTPUT

OUTPUT EXECUTION

[DATA OUTPUT MODE SCREEN]

FIG. 3 9

DATA OUTPUT OVERALL PROCESS

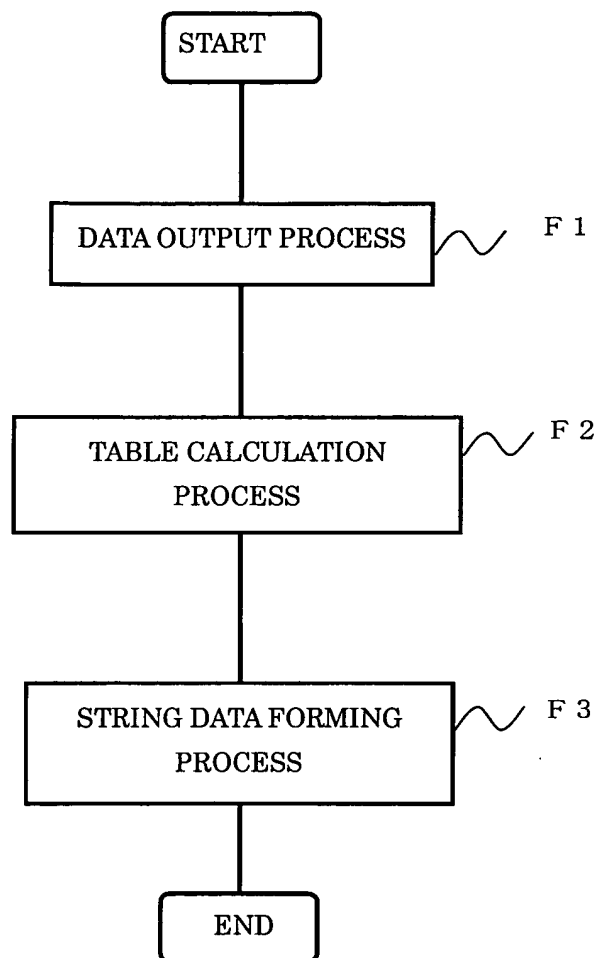


FIG. 40


IMAGE OF PICKING UP OF RECORD CELL SEQUENCE

SALES SUMMARY TABLE

YEAR ~~2001~~

([] INDICATES SALES OF YEAR 2000)

	[]			

 PICKING UP FROM CELL OR
DATA IN SHADED AREAS

RELEVANT MAIN RECORD

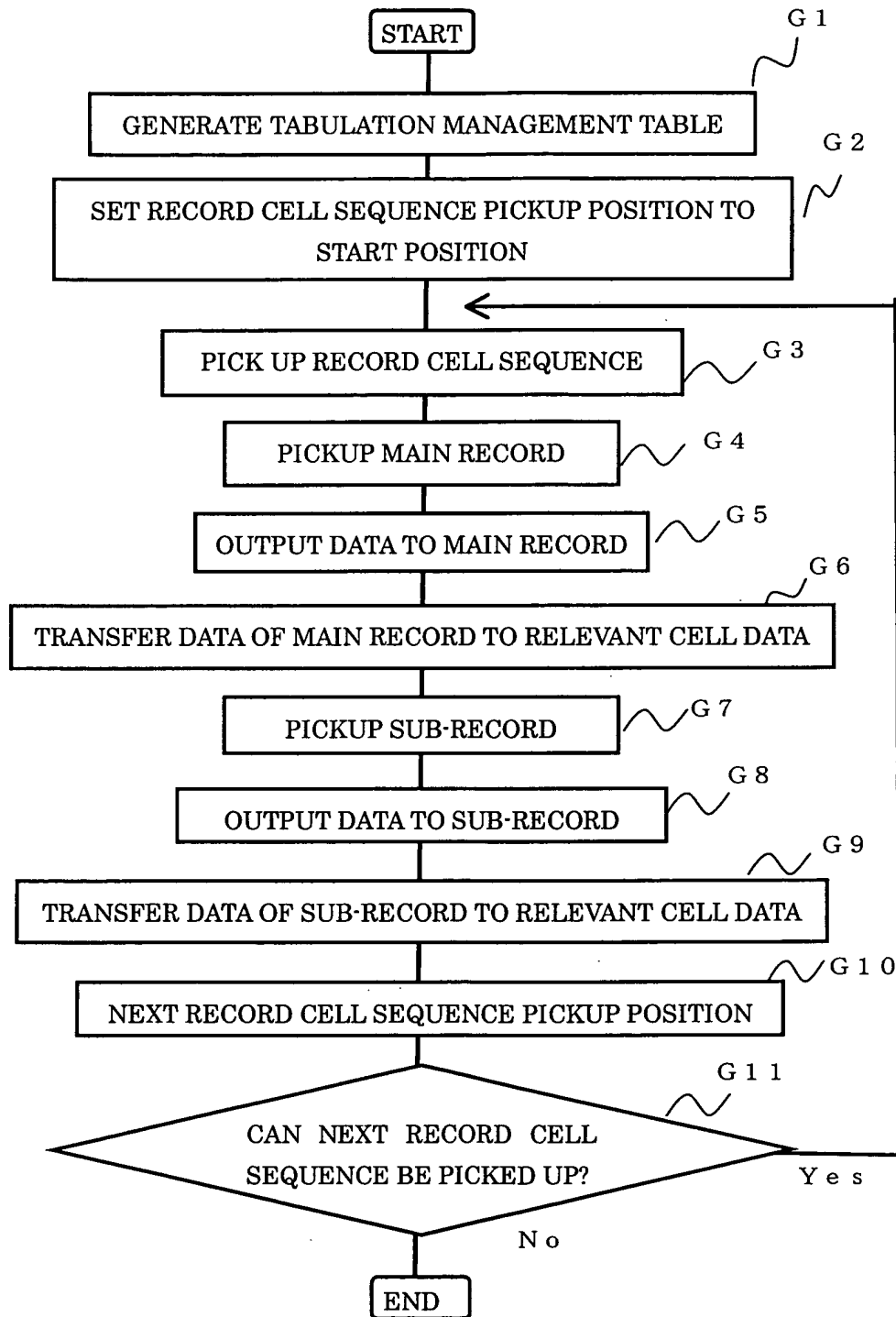
<YEAR>	<BRANCH>	<PRODUCT CLASSIFICATION>	<SALES AMOUNT>
2 0 0 1	OSAKA	RADIO	

RELEVANT SUB-RECORD

<YEAR>	<BRANCH>	<PRODUCT CLASSIFICATION>	<SALES AMOUNT>
2 0 0 0	OSAKA	RADIO	

FIG. 41

PROCEDURE OF "DATA OUTPUT PROCESS"



FIRST ROW	ITEM NAME
-----------	-----------

TABULATION CATEGORY

OUTPUT DESTINATION CELL
DATA ADDRESS

OUTPUT	DESTINATION
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

OUTPUT SOURCE CELL
DATA ADDRESS

OUTPUT SOURCE DATA

[illegible]

FIG. 4 3

PROCEDURE OF "DATA OUTPUT TO MAIN RECORD (COLUMN RECORD)"

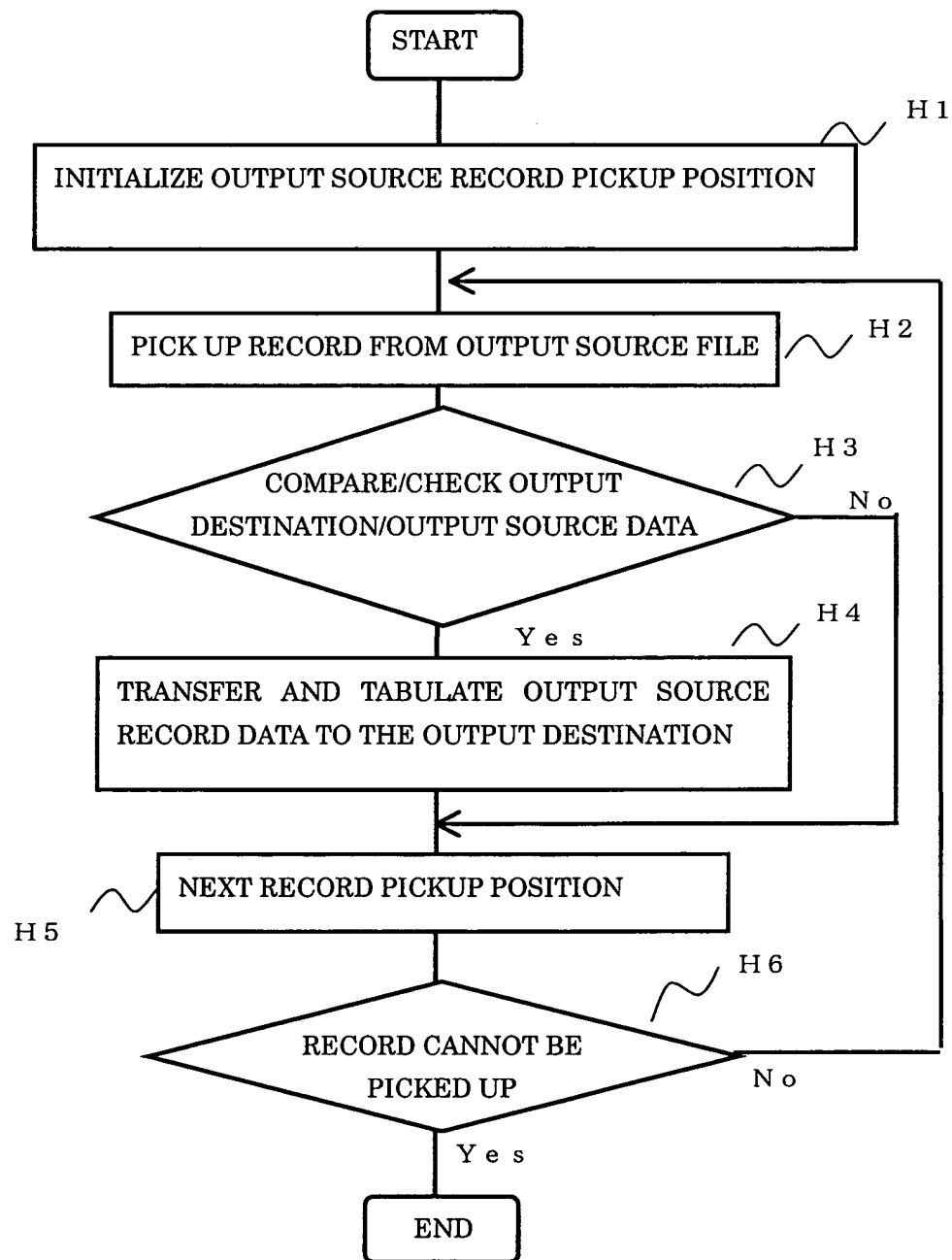


FIG. 4 4

SALES SUMMARY TABLE				
2001				
([] INDICATES PROFIT)				
PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	[]	[]	[]	[]
RADIO	[]	[]	[]	[]
CAR NAVIGATION SYSTEM	[]	[]	[]	[]
TOTAL	[]	[]	[]	[]

FIG. 4 5

(BLUE) <BRANCH> (BLUE) SALES SUMMARY TABLE (BLUE) <YEAR> (BLUE) [2001] (BLUE) ([] INDICATES PROFIT) (BLUE)

(BLUE) <PRODUCT> (BLUE) <PROFIT> (BLUE) <SALES>

(BLUE) <PRODUCT>	(BLUE) [TOKYO]	(BLUE) [OSAKA]	(BLUE) [NAGOYA]	(BLUE) (TOTAL)
(BLUE) TELEVISION	(BLUE) []	(BLUE) []	(BLUE) []	(BLUE) []
(BLUE) RADIO	(BLUE) []	(BLUE) []	(BLUE) []	(BLUE) []
(BLUE) CAR NAVIGATION SYSTEM	(BLUE) []	(BLUE) []	(BLUE) []	(BLUE) []
(BLUE) (TOTAL)	(BLUE) []	(BLUE) []	(BLUE) []	(BLUE) []

FIG. 4 6

(BLUE) <PRODUCT> (BLUE) <BRANCH> (BLUE) <YEAR> (BLUE) <YEAR> (BLUE) [2001] (BLUE) ([] INDICATES SALES OF YEAR 2000) (BLUE) (BLUE) [2000] (BLUE)

<PRODUCT>	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	(BLUE)	(BLUE)	(BLUE)	(BLUE)
RADIO	(BLUE)			(BLUE)
CAR NAVIGATION SYSTEM				(BLUE)
TOTAL	(BLUE)			(BLUE)

(BLUE) SALES (BLUE)

FIG. 4 7

SALES SUMMARY TABLE

YEAR 2001

([] INDICATES SALES OF YEAR 2000)

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 [19,380]	15,780 [13,250]	13,260 [11,320]	. . . [. . .]
RADIO	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]
CAR NAVIGATION SYSTEM	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]
TOTAL	. . . [. . .]	. . . [. . .]	. . . [. . .]	. . . [. . .]

FIG. 4 8

SALES SUMMARY TABLE

YEAR 2001

([] INDICATES SALES OF YEAR 2000)

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 19,380	15,780 13,250	13,260 11,320
RADIO
CAR NAVIGATION SYSTEM
TOTAL

